

Award Number:

W81XWH-08-2-0142

TITLE:

MISSION CONNECT MILD TBI TRANSLATIONAL RESEARCH CONSORTIUM

PRINCIPAL INVESTIGATOR:

Paul R. Swank, Ph.D.
Terri King, Ph.D.

CONTRACTING ORGANIZATION:

University of Texas Health Science Center
Houston, TX 77030

REPORT DATE:

August 2009

TYPE OF REPORT:

Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT:

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REPORT DOCUMENTATION PAGE			<i>Form Approved OMB No. 0704-0188</i>	
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1. REPORT DATE (DD-MM-YYYY) August 2009	2. REPORT TYPE Annual	3. DATES COVERED (From - To) August 1, 2008-July 31, 2009		
4. TITLE AND SUBTITLE		5a. CONTRACT NUMBER		
		5b. GRANT NUMBER W81XWH-08-2-0142		
		5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S) Paul R. Swank Go ckN"r cwntau ycpmB wj 0o e@f w		5d. PROJECT NUMBER		
		5e. TASK NUMBER		
		5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) University of Texas Health Science Center Houston, TX 77030		8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Material Command, Fort Detrick, Maryland 21702-5012		10. SPONSOR/MONITOR'S ACRONYM(S)		
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution unlimited				
13. SUPPLEMENTARY NOTES				
14. ABSTRACT We assisted with the development of the human subject's proposals and the clinical protocol. Worked with PIs to develop procedures for reliability analysis.				
15. SUBJECT TERMS Human subjects, clinical protocol, reliability analysis				
16. SECURITY CLASSIFICATION OF:		17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 5	19a. NAME OF RESPONSIBLE PERSON USAMRMC
a. REPORT U	b. ABSTRACT U	c. THIS PAGE U	19b. TELEPHONE NUMBER (include area code)	

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std. Z39-18

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Introduction

As statistician for specific aims 2 and 3.1, my group will work mainly with PIs and data for these aims, although we will be available to consult on statistics and design issues for any of the PIs and the Scientific Steering Committee. Our purpose is to assist in matters of design, data collection, data management, and to provide, as requested, data analyses for the PIs. In addition we will aid in the dissemination of results. During the first year of the project we expect our work will mainly be in form of advisement on issues of design and data collection, assistance in setting up data bases and developing programs to aid in data cleaning. During years 2 through 4, we will continue advising on data collection and design issues as well as begin the process of cleaning the data in preparation for data analysis. We are also prepared to do data analyses where they might be required for publications based on initial data collections. However, most of the data analyses will take place in the final year when all relevant data has been collected.

Body of the Report

As no data has been collected yet, our primary tasks for the first year have been to advise the PIs on matters of the clinical protocol and preparation of the human subject's applications. We have also advised collaborating investigators on issues of data management and organization, as part of the design of the Case Report Forms and the automated data collection/management system. In addition, we have worked with Dr. Levin's team to establish a mechanism by which reliability of the data collected as part of the clinical protocol will be evaluated for reliability.

Key Research Accomplishments

- The clinical protocol was completed with some assistance from our group.
- The human subject's proposals were completed with some assistance from our group.
- Development of procedures for determining interrater reliability.

Reportable outcomes

Abstract for Military Health Research Forum 2009 on using computer simulations for determining power for research hypotheses.

Conclusions

In the absence of any data being collected as yet, we have been involved primarily in data collection preparation activities. However, these activities are important as the preparations must be completed before any data can be collected.

References

None

Appendices

None